

I. Amendments to the Claims

Please amend the claims as follows with the following version of the claims in accordance with revised 37 CFR § 1.121.

1. (Currently Amended) An apparatus for manipulating digital certificates within a distributed data processing system, the apparatus comprising:

a reception software module that receives a request from a user regarding the digital certificate, the reception software module generating a reception event in response to the request and propagating the reception event to one or more other software modules prior to responding to the request from the user;

one or more other software modules, communicatively coupled to the reception software module, that act upon a request event and then propagate an event to another software module, wherein the one or more other software modules sequentially perform actions related to the digital certificate such that a given action partially fulfills the request from the user regarding the digital certificate; and

the reception software module and the one or more other software modules executing independently and communicating with one another by propagating request events.

2. (Original) The apparatus of claim 1 wherein the reception software module is implemented in a computer system independent manner.

3. (Original) The apparatus of claim 2 wherein the reception software module is written in Java.

4. (Currently Amended) The apparatus of claim 1 wherein  
the reception software module and one of the one or more other  
software modules execute on ~~diffferent~~different computing  
5 devices.

5. (Original) The apparatus of claim 1 wherein one of the  
one or more other software modules generates a reply event after  
manipulating the digital certificate, the reply event propagated  
10 to a software module that propagated the request event to the one  
of the one or more other software modules.

6. (Currently Amended) A method for implementing requests regarding a digital certificate within a distributed data processing system, the method comprising:

receiving a request regarding the digital certificate from a user in a reception software module;

generating a reception event in response to the request and propagating the reception event to one or more other software modules prior to responding to the request from the user;

determining an action regarding the digital certificate in a one or more other software modules based on the reception of an event;

selectively implementing the action regarding the digital certificate in one or more other software modules and then propagating an event to another software module, wherein the one or more other software modules sequentially perform actions related to the digital certificate such that a given action partially fulfills the request from the user regarding the digital certificate; and

the reception software module and the one or more other software modules executing independently and communicating with one another through propagating the events.

7. (Original) The method of claim 6 wherein the reception software module is implemented in a computer system independent manner.

8. (Original) The method of claim 7 wherein the reception software is implemented in Java.

5 9. (Original) The method of claim 6 wherein the reception software and one of the one or more other software modules execute on different computing systems.

10. (Original) The method of claim 6 further comprising:  
10 generating a reply event, in one of the one or more other software modules, after the step of selectively implementing.

11. (Currently Amended) A computer program product on a computer usable medium, the computer usable medium having computer a usable program embodied therein for implementing a request regarding a digital certificate on a distributed data processing system, the computer usable program including:

instructions for receiving the request regarding the digital certificate from a user;

instructions for generating a reception event in response to receiving the request and propagating the reception event to one or more other software modules prior to responding to the request from the user;

instructions for determining an action regarding a digital certificate upon receiving an event; ~~and~~

instructions for selectively implementing the action regarding a digital certificate upon receiving an event and then propagating an event to another software module, wherein the one or more other software modules sequentially perform actions related to the digital certificate such that a given action partially fulfills the request from the user regarding the digital certificate; and

the instructions for selectively implementing executing and the instructions for receiving operating independently and communicating with one another through propagating the events.

12. (Original) The computer program product of claim 11 wherein the instructions for receiving are implemented in a computer system independent manner.

5 13. (Original) The computer program product of claim 12 wherein the instructions for receiving are implemented in Java.

14. (Currently Amended) The computer program product of claim 11 wherein the instructions for receiving and instructions  
10 for implementing operate on ~~diffferent~~different computing devices.

15. (Original) The computer program product of claim 11 wherein the instructions for implementing generate a reply event  
15 after implementing the action regarding the digital certificate.

16. (Currently Amended) An apparatus for implementing a request regarding a digital certificate within a distributed data processing system, the distributed processing system comprising one or more computing systems, the apparatus comprising:

5 a first reception software module that receives the request regarding the digital certificate and generates a reception event and propagates the reception event to one or more other software modules prior to responding to the request from the user;

10 one or more other software modules, communicatively coupled to the reception software module, that selectively implement the request upon receiving an event from another software module and then propagate an event to another software module, wherein the one or more other software modules sequentially perform actions related to the digital certificate such that a given action  
15 partially fulfills the request from the user regarding the digital certificate;

the first reception software module being implemented in a computing system independent manner; and

20 the first reception software module and the one or more other software modules executing independently.



17. (Original) The apparatus of claim 16 further comprising a second reception software module, the second reception software module responsive to requests in a second format by generating reception events; and

5 the second reception module operating independently from the first reception software module.

18. (Original) The apparatus of claim 16 wherein the first reception software module is implemented in a computer system independent manner.

19. (Original) The apparatus of claim 18 wherein the first reception software module is implemented in Java.

15 20. (Original) The apparatus of claim 16 wherein one of the one or more software modules generates a reply event, the reply event propagated to the another software module.

21. (Currently Amended) A method for implementing a request regarding a digital certificate within a distributed data processing system, the distributed processing system comprising one or more computing systems, the apparatus comprising:

5 receiving the request in a first reception software module;  
generating a reception event and then propagating the reception event to one or more other software modules prior to responding to the request from the user;

10 selectively implementing the request upon receiving an event in one or more other software modules, the event originating in another software module, and then propagating an event to another software module, wherein the one or more other software modules sequentially perform actions related to the digital certificate such that a given action partially fulfills the request from the  
15 user regarding the digital certificate;

the reception software module being implemented in a computing system independent manner; and

the reception software module and the one or more other software modules executing independently.

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22. (Original) The method of claim 21 further comprising;  
receiving a second request in a second format from a second  
reception software module, the second reception software module  
generating a reception event; and

5 the second reception module operating independently from the  
first reception software module.

23. (Original) The method of claim 21 wherein the first  
reception software module is implemented in a computer system  
10 independent manner.

24. (Original) The method of claim 23 wherein the first  
reception module is implemented in Java.

15 25. (Original) The method of claim 21 further comprising  
generating a reply event in one of the one or more software  
modules in response to the step of selectively implementing; and  
propagating the reply event to the another software module.

26. (Currently Amended) A computer program product on a computer usable medium, the computer usable medium having computer a usable program embodied therein for implementing a request regarding a digital certificate on a distributed data processing system, the computer usable program including:

a first instructions for receiving the request regarding the digital certificate and generating a reception event and propagating the reception event to one or more other software modules prior to responding to the request from the user;

one or more other instructions for implementing the request, the one or more other instructions communicatively coupled to the instructions for receiving, that selectively implement the request upon receiving an event from another instruction and then propagate an event to another software module, wherein the one or more other software modules sequentially perform actions related to the digital certificate such that a given action partially fulfills the request from the user regarding the digital certificate;

first instructions for receiving implemented in a computing system independent manner; and

the first instructions for receiving and the one or more other instructions for implementing the request executing independently.

27. (Original) The computer program product of claim 26 further comprising a second instructions for receiving, the second instructions for receiving responsive to requests in a second format by generating reception events; and

5 the second instructions for receiving operating independently from the first instructions for receiving.

28. (Original) The computer program product of claim 26 wherein the first instructions for receiving are implemented in a  
10 computer system independent manner.

29. (Original) The computer program product of claim 28 wherein the first instructions for receiving are implemented in Java.

15 30. (Original) The computer program product of claim 26 wherein one or more other instructions for implementing the request generates a reply event, the reply event propagated to the another instruction.

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